11- What percent of 2 metric tones is 40 quintals?

- **A.**100%
- **B.**200%
- **C.**500%
- **D.**1000%
- **E.**None of these

Answer & Explanation

Answer - **B** (200%)

Explanation - 1 metric tonne = 10 quintals.

Required percentage = [(40/(2 x 10)) x 100]% = 200%.

12- What percent of 6.5 litres is 130 ml?

- **A.**1%
- **B.**2%
- **C.**3%
- **D.**4%
- **E.**None of these

Answer & Explanation

Answer - **B** (2%)

Explanation - Required Percentage = [(130/(6.5 x 1000)) x 100]% = 2%.

13- Find the missing figures: ?% of 25 = 2.125

- **A.**7.5
- **B.**8.5
- **C.**10.5
- **D.**11.2
- **E.**None of these

Answer & Explanation

Answer - **B** (8.5)

Explanation - Let a% of 25 = 2.125. Then , (a/100) x 25 = 2.125 a = (2.125 x 4) = 8.5

14- Find the missing figures: 0.25% of ? = 0.04

- **A.**10
- **B.**12
- **C.**14
- **D.**16
- **E.**None of these

Answer & Explanation

Answer - **D** (16)

Explanation - Let 0.25% of a = 0.04. Then , 0.25 x a/100 = 0.04

a= [(0.04 x 100)/0.25] = 16

15- Which is greatest in 16(2/3)%, 2/15 and 0.17?

- **A.**2/15
- **B.**16(2/3)%
- **C.**0.17
- **D.**All equal
- **E.**None of these

Answer & Explanation

Answer - **C** (0.17)

Explanation - 16(2/3)% =[(50/3) x (1/100)] = 1/6 = 0.166, 2/15 = 0.133.

Clearly, 0.17 is the greatest.

16- If the sales tax reduced from 3 1/2 % to 3 1/3%, then what difference does it make to a person who purchases an article with market price of Rs. 8400?

- **A.**12
- **B.**13
- **C.**14
- **D.**15
- **E.**None of these

Answer & Explanation

Answer - **C** (14)

Explanation - Required difference = [3 ½ % of Rs.8400] – [3 1/3 % of Rs.8400]

= [(7/2-(10/3)]% of Rs.8400

=1/6 % of Rs.8400

= Rs. [(1/6)x (1/100) x 8400]

= Rs. 14

17- Sixty five percent of a number is 21 less than four fifth of that number. What is the number?

- **A.**120
- **B.**140
- **C.**150
- **D.**160
- **E.**None of these

Answer & Explanation

Answer - **B** (140)

Explanation - Let the number be a

Then, 4 x a/5 –(65% of a) = 21

4a/5 –65a/100 = 21

15a = 2100

a = 140

18- Difference of two numbers is 1660. If 7.5% of the number is 12.5% of the other number, find the number?

- **A.**2390 and 4050
- **B.**2490 and 4150
- **C.**2400 and 4060
- **D.**2490 and 4100
- **E.**None of these

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Answer & Explanation

Answer - **B** (2490 and 4150)
Explanation - Let the numbers be a and b.

Then , 7.5 % of a =12.5% of b

a = 125 x b/75 = 5 x b/3.

Now, a - b =1660

5 x b/3 –b =1660

2 x b/3= 1660

b =[(1660 x 3)/2] =2490.

One number = 2490, Second number =5 x b/3 =4150

19- In expressing a length 81.472 km as nearly as possible with three significant digits, find the percentage error?

- **A.**0.34%
- **B.**0.034%
- **C.**0.0034%
- **D.**0.066%
- **E.**None of these

Answer & Explanation

Answer - **B** (0.034%)
Explanation - Error = (81.5 – 81.472)km = 0.028.

Required percentage = [(0.028/81.472) x 100]% = 0.034%.

20- In an election between two candidates, 75% of the voters cast thier votes, out of which 2% of the votes were declared invalid. A candidate got 9261 votes which were 75% of the total valid votes. Find the total number of votes enrolled in that election?

- **A.**16800
- **B.**17800
- **C.**26800
- **D.**306800

- **E.**None of these

Answer & Explanation

Answer - **A** (16800)

Explanation - Let the number of votes enrolled be a.

Then,Number of votes cast =75% of a.

Valid votes = 98% of (75% of a). 75% of (98% of (75%of a)) =9261.

[(75/100) x (98/100) x (75/100)x a] =9261.

a = [(9261 x 100x 100 x 100)/(75 x 98 x 75)] =16800